

In the Claims:

1-38. (Previously cancelled)

39-40. (Currently cancelled)

41-44. (Previously cancelled)

1 45. (New) A recombinant or synthetic peptide consisting of the sequence:

$X_1 X_2 X_3$

wherein X_1 and X_3 may be the same or different and each is an amino acid sequence consisting of from 0 to 40 naturally occurring amino acid residues; X_2 ^{consists of} has the sequence of FFYTPKTRREAED (SEQ ID NO: 1) and wherein said peptide is capable of reacting with T cells and modifying T-cell function when incubated with cells from subjects having pre-clinical or clinical IDDM.

2 46. (New) A recombinant or synthetic peptide consisting of the sequence:

$X_1 X_2 X_3$

wherein X_1 and X_3 may be the same or different and each is an amino acid sequence consisting of from 0 to 40 naturally occurring amino acid residues; X_2 ^{consists of} has the sequence of FWYIPPSLRTLED (SEQ ID NO: 2) and wherein said peptide is capable of reacting with T cells and modifying T-cell function when incubated with cells from subjects having pre-clinical or clinical IDDM.